TEKS Cluster: Whole Number Operation
TEKS Subcluster: Multiplication of Whole Numbers
Student Expectations: 4.4(H), 4.4(B), 4,4(C), 4,4(D) – Connected SE: 4.4(G)
Activities Summary: Students use models and algorithms to multiply 2-digit by 2-digit numbers, 3-digit by 1-digit numbers, and 4-digit by 1-digit numbers. Activities may be organized and delivered in two topics: **Two-Digit by Two-Digit Multiplication** and **Three- and Four-Digit by One-Digit Multiplication**.

lead4ward

Activity Title Student Expectations	Activity Topic	Type			Delivery		
		new learning	intervention	practice	teacher-facilitated	small groups	stations
Two-Digit by Two-Digit Multiplication							
Model Mania 4.4(B), 4.4(C), 4.4(D), 4.4(G), 4.4(H)	**2-Digit by 2-Digit with Concrete Models, Arrays, and Area Models, and Estimation** Students estimate products, then use concrete models, arrays, and area models to solve problems.	✓	✓		✓		
What Are You Doing? 4.4(B), 4.4(C), 4.4(D), 4.4(G), 4.4(H)	**2-Digit by 2-Digit with Area Models, Partial Products, and Standard Algorithm** Students estimate products, then use area models, partial products, and the standard algorithm to solve problems.	✓	✓		✓		
Testing the Sparkle Box 4.4(B), 4.4(C), 4.4(D), 4.4(H)	**2-Digit by 2-Digit with Partial Products and Standard Algorithm** Students find mistakes in problems solved using area models, partial products, and the standard algorithm.	✓	✓		✓		
Perfect Squares 4.4(B), 4.4(C), 4.4(D), 4.4(H)	**2-Digit by 2-Digit with Partial Products and Arrays** Students learn that when you multiply a number by itself, you create a square. Students multiply a number by itself using partial products and arrays.	✓	✓		✓		
Three- and Four-Digit by One-Digit Multiplication							
Welcome to Elf Country 4.4(B), 4.4(C), 4.4(D), 4.4(G), 4.4(H)	**3-Digit by 1-Digit with Area Models, Partial Products, and Standard Algorithm** Students estimate products, then use area models, partial products, and the standard algorithm to solve problems.	✓	✓		✓		
The Robot Assistant 4.4(B), 4.4(C), 4.4(D), 4.4(G), 4.4(H)	**3-Digit by 1-Digit with Area Models, Partial Products, and Standard Algorithm** Students estimate products, then use area models, partial products, and the standard algorithm to solve problems.		✓	✓		✓	
Rocky Road 4.4(B), 4.4(C), 4.4(D), 4.4(G), 4.4(H)	**4-Digit by 1-Digit with Area Models, Partial Products, and Standard Algorithm** Students estimate products, then use area models, partial products, and the standard algorithm to solve problems.	✓	✓		✓		
Lucy Dynamic's Invention 4.4(B), 4.4(C), 4.4(D), 4.4(G), 4.4(H)	**4-Digit by 1-Digit with Partial Products and Standard Algorithm** Students estimate products, then use partial products and the standard algorithm to solve problems.		✓	✓		✓	